

Compounds and Methods for Modulating Phosphodiesterase 10A

Abstract

Novel compounds that modulate PDE10A, a gene that is primarily expressed in
5 medium spiny neurons of the mammalian striatum and has been found to inhibit striatal
output by reducing spiny medium excitability and effect cAMP and cGMP signalling
cascades *in vivo* in rats, and methods for treating psychosis and schizophrenia using the
novel compounds. Methods for screening for further compounds to modulate PDE10A
activity are also taught.